

Docket No. 243863US3DIV

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Hitoshi SAKAMOTO, et al.

SERIAL NO: New Application

GAU:

FILED: Herewith

EXAMINER:

FOR: METHODS AND APPARATUS FOR THE FORMATION OF A METAL FILM

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references cited in the International Search Report, International Application No. PCT/JP01/-2392, listed on the attached form(s) PTO-1449. Copies of the listed references were provided in parent application Serial No. 09/926,624 filed November 27, 2001, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. <b>243863US3DIV</b>		SERIAL NO. <b>New Application</b>	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT <b>Hitoshi SAKAMOTO, et al.</b>			
				FILING DATE <b>Herewith</b>		GROUP	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	4,626,448	12/02/86	A. K. HAYS			
	AB	5,091,209	02/25/92	P. CLAVERIE, et al.			
	AC	4,829,215	05/09/89	K. KIM, et al.			
	AD	6,174,809	01/16/2001	Sang-bom KANG, et al.			
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES                      NO		
	AO	0 482 265	04/29/92	EUROPE (submitting corr. US 5,091,209 and JP 2856782 only)			
	AP	2856782	05/30/91	JAPAN		X	
	AQ	05-198520	08/06/93	JAPAN (submitting English Abstract only)			
	AR	5-85890	04/06/93	JAPAN (submitting English Abstract only)			
	AS	61-86942	05/02/86	JAPAN (submitting corr. US 4,829,215 only)			
	AT	11-238698	08/31/99	JAPAN (submitting English Abstract and corr. US 6,174,809 only)			
	AU						
	AV						
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AW	N. BOURHILA, et al., Microelectronic Engineering, vol. 33, pages 25-30, "COPPER LPCVD FOR ADVANCED TECHNOLOGY", 1997					
	AX						
	AY						
	AZ						
Examiner					Date Considered		
<small>*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							

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				FILING DATE <b>Herewith</b>		GROUP	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,440,494	08/02	Arena-Foster, Chantal			
	AB	5,716,451	02/98	Hama et al.			
	AC	5,292,370	03/94	Tsai et al.			
	AD	5,980,687	11/99	Koshimizu, Chishio			
	AE						
	AF						
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	AM						
	AN						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES                  NO		
	AO	EP 573348 A1	12/93	European Patent			
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AW						
	AX						
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.